CLAIMS:

1. A turntable suitable for disc-shaped information carriers having a central opening, which turntable comprises a centering element comprising a cone-shaped centering portion, which centering element is rotatable about an axis of rotation and is movable in axial direction against spring force, characterized in that the centering element further comprises a substantially cylindrical portion which adjoins the end of the cone-shaped portion positioned nearest the central axis.

2. A turntable according to claim 1, characterized in that the centering element comprises a cone-shaped pre-centering portion, whose end located furthest away from the central axis adjoins the substantially cylindrical portion at a side remote from the centering portion.

3. A turntable according to claim one or two, characterized in that a wall of the cylindrical portion extends at an angle of 0 to 5° with respect to the central axis.

4. A turntable according to any one of the preceding claims, characterized in that the angle which a wall of the centering portion encloses with the central axis is smaller than the angle which a wall of the pre-centering portion encloses with the central axis.

5. A device suitable for carrying out operations on a disc-shaped information carrier having a central opening, wherein the device comprises the turntable according to any one of the preceding claims for rotating the disc-shaped information carrier.

6. A device for reading information from and/or writing information onto an optical information carrier having a central opening, which device comprises the turntable according to any one of the claims 1 to 5 and an optical head.